

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with street lighting at the intersection of MD 7 (Philadelphia Rd) and Rossville Boulevard in Baltimore County. Video detection shall be installed in all directions and the existing signal heads shall be replaced by LED signal heads. MD 7 (Philadelphia Rd) is assumed to run a east-west direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA eight-phase, fully-actuated mode, with the MD 7 (Philadelphia Rd) approaches running concurrently. Exclusive left turn phases shall remain in operation for both approaches of MD 7 (Philadelphia Rd). Exclusive left turn phases shall remain in operation for both approaches of Rossville Boulevard. The Rossville Boulevard approaches shall also continue to run concurrently.
- The full-traffic-actuated, eight-phase controller with necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection. (Note: SHA signal shop shall install video interface equipment into cabinet).

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #4 are as follows:

Ms. Erin Kuhn  
Assistant District Engineer - Traffic  
Phone: (410) 321-2781

Mr. Andre Futrell  
Assistant District Engineer - Maintenance  
Phone: (410) 321-2761

Mr. Mike Pasquaiello  
Assistant District Engineer - Utility  
Phone: (410) 321-2841

Mr. Richard L. Doff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations Division  
Phone: (410) 787-7631

Mr. Ed Rodenhizer  
Chief, Signal Operations Section  
410-787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9086	Video detection interface equipment: 1-4 cameras (To be installed by the SHA Signal Shop).	1 EA
9571	Sheet aluminum signs to consist of: (pole mount)	54.5 SF
	GUIDE SHIELD ASSEMBLY (24"x31") pole mounted.	1 EA
	M3-4 "WEST" (24"x12")	
	M1-5 "MD 7" (24"x24")	
	M6-1 "Right arrow" (21"x15")	
	GUIDE SHIELD ASSEMBLY (24"x31") pole mounted.	1 EA
	M3-2 "EAST" (24"x12")	
	M1-5 "MD 7" (24"x24")	
	M6-1 "Right arrow" (21"x15")	
	GUIDE SHIELD ASSEMBLY (36"x75") pole mounted.	1 EA
	M3-2 "WEST" (30"x15")	
	M1-5 "MD 7" (36"x36")	
	M6-1 "Left arrow" (30"x24")	
	GUIDE SHIELD ASSEMBLY (36"x75") pole mounted.	1 EA
	M3-2 "EAST" (30"x15")	
	M1-5 "MD 7" (36"x36")	
	M6-1 "Left arrow" (30"x24")	

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
1003	Removal of existing permanent pavement line markings Any Width	190 L.F.
5003	24" white heat applied permanent preformed thermoplastic pavement marking.	190 L.F.
8001	12" LED signal head section.	48 EA
8017	Remove and dispose of existing material & equipment per assignment.	1 EA
8040	No. 6 AWG stranded bare copper ground wire.	610 L.F.
8047	Install overhead sign.	54.5 SF
8048	Video detector camera & cable up to 500'.	4 EA
8052	250 watt HPS lamp and luminaire.	2 EA

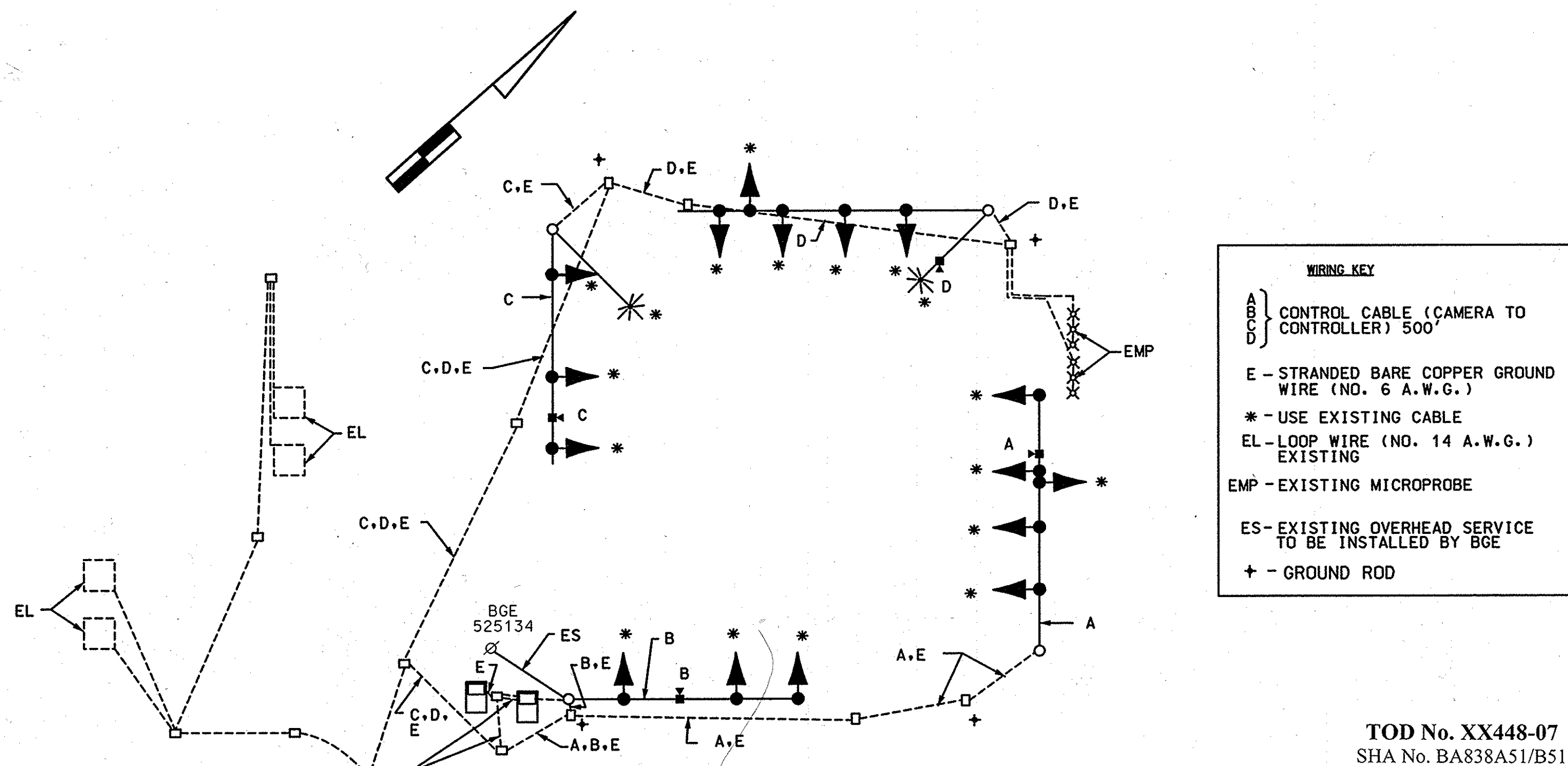
PHASE CHART

THERE IS NO PHASE CHART NEEDED FOR THIS PROJECT.

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

WIRING DIAGRAM



<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
MD 7 (PHILADELPHIA ROAD) AND ROSSVILLE BOULAVARD ROSEDALE, MARYLAND	
GENERAL INFORMATION SHEET	
SCALE NONE DATE 6/4/2008 CONTRACT NO. XX4485185	
DESIGNED BY J.W.A.	COUNTY BALTIMORE
DRAWN BY R.C.	LOGMILE 03000702.93
CHECKED BY <i>[Signature]</i>	TMS NO. 1652
F.A.P. NO.	TOD NO.
TS NO. 1811E	DRAWING NO. 2 OF 2
SHEET NO. OF	

